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TECHNICAL DATA SHEETS

1. Product name:N-Isopropylacrylamide
2. CAS No.:2210-25-5
3. MF:C6H11NO
4. MW:113.16
5. Technical specifications

Item	Specifications	Results
Appearance	White or pale yellow solid	Pale yellow liquid
Assay	≥98%	99.82%
Melting point	60-63℃	62-63℃
Water Content	≤0.5%	0.20%
Conclusion	The results conforms with enterprise standards	

6. Usage

N-Isopropylacrylamide is an acrylamide derivative monomer. Due to its hydrophilic amide group and hydrophobic isopropyl group in the molecule, its homopolymer has good characteristics such as low critical solution temperature, and is mainly used for manufacturing temperature sensing. Characteristic polymer gels, such as: drug controlled release materials, solid materials for enzymes, dehydrating agents, concentrates, and the like. N-Isopropylacrylamide can also be used to make modified latex, special coatings, adhesives, etc. N-isopropylacrylamide is used to prepare poly(N-isopropylacrylamide) (pNIPA, pNIPAAm, p?NIPAA or pNIPAm) heat sensitive polymer or copolymer hydrogels. Polymers containing NIPAM contracted sharply above 33℃. The monomer is used to prepare a thermosensitive, water-swellable hydrogel.

7. Package

25kg/drum